The CREM Models Knowledge Base
Data Entry Sheet

Instructions

1. Please complete this data entry sheet for each model that you want to be included in the CREM Models Knowledge Base. You may use as much space as necessary.

2. You are encouraged to include URLs to other sources of information, graphics, and other pertinent documents (in PDF or other formats).

3. The data entry sheet for the IPM model is provided as an example.

4. Any questions? Need assistance? Please contact Neil Stiber (202-564-1573).

(A) General Information	
1. Model Name:	
2. Model Overview / Abstract:	
3. Contact Information (name, affiliation, e-mail, phone #):	
4. Model's Home Page:	
(B) User Information	
1. Technical Requirements:	
a) Computer Hardware:	
b) Operating Systems:	
c) Programming Languages:	
d) Other Req'ts and Features:	
2. Download Info (with URL):	
3. Using the Model:	
a) Basic Model Inputs:	
b) Basic Model Outputs:	
c) User's Guide:	
d) Other User Documents:	
(C) Model Science	
1. Conceptual Basis of the Model:	
2. Scientific Detail for the Model:	
3. Model Framework (equations and/or algorithms):	
4. Model Evaluation (verification (code), corroboration (model), sensitivity analysis, uncertainty analysis):	

(D) Model Criteria

Please use the shaded boxes on the left to select all criteria that are relevant to the model. Criteria should be selected based on an appropriate level of generality / specificity. Please note that selection of a specific criteria (e.g., "Pollutant Type"); necessarily includes the more general (e.g., "Releases to the Environment") but, not the more specific (e.g., "Physical").

	Regulations
	Clean Air Act (CAA)
	Clean Water Act (CWA)
	Safe Drinking Water Act (SDWA)
	Resource Conservation and Recovery Act (RCRA)
	Comprehensive Environmental Response, Compensation, & Liability Act (CERCLA)
	Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)
	Toxic Substances Control Act (TSCA)
	Releases to the Environment
	Pollutant Type
	Physical (e.g., radiation, heat, particles, fibers, noise)
	Chemical (e.g., organic, inorganic, toxics)
	Biological (e.g., microbial)
	Source Type
	Point source (e.g., tank, spill, stack, discharge pipe)
	Area source (e.g., spray, fertilizer, lagoon, holding area)
	Mobile source (e.g., automobiles, trains, ships, airplanes)
	Ambient Conditions
	Media
	Ground (e.g., soil, sediment)
	Water (e.g., surface water, ground water)
	Air
	Ecosystem
	Processes
	Transport (e.g., advection, bulk, dispersion, diffusion)
	Transformation (e.g., chemical reaction, partitioning, biodegradation)
	Accumulation (e.g., deposition, sedimentation)
	Biogeochemical (e.g., cycling, growth, consumer-resource)
	Exposure or Uptake
	Exposure Characterization
	Location
	Frequency and Duration
	Pathway (e.g., inhalation, digestion, dermal, injection)
	Body Burden – Dose (e.g., phamacokinetics, retention, transformation)
	Changes in Human Health or Ecology
	Human Health Indicators
	Mortality
	Chronic and Acute Diseases
	Ecological Indicators
	Population Changes
	Acute & Chronic Disease Occurrence
	Land Use Change